

**REMARKS**

Claims 1-10 are allowed. Claims 11-13 were previously cancelled.

Claim 1 is herein amended pursuant to recent teleconferences on February 28, 2005 and March 8, 2005 between Examiner Hu and the undersigned attorney. Summarizing the teleconferences, this amendment is necessary to avoid *Aufinger* (U.S. Patent No. 6,069,404). *Aufinger* discloses a low resistance impurity diffusion region (CS) extending from a sub-emitter pad to low resistance semiconductor substrate (SUB) (*Aufinger* Figs. 1 and 2; col. 3, lines 1-19). *Aufinger* further discloses the presence of two impurities (p+ and n+) in regions CS and BL'.

By amending claim 1 as indicated in this Amendment, Applicant claims a single type of conductor impurity in the region spanning the vertical distance between the sub-emitter pad and the low resistance semiconductor substrate in Independent claim 1. The changes being made do not contain new matter.

Entry and consideration of this Supplemental Rule 312 Amendment are respectfully requested.

SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. §1.312  
U.S. SERIAL NO. 10/673,476

ART UNIT 2811  
Q77787

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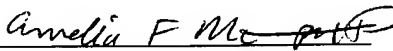
Respectfully submitted,

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